

1644  
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TECH CENTER 1600/2900



p# 19 1600

RAW SEQUENCE LISTING

DATE: 07/05/2002

PATENT APPLICATION: US/09/350,401A

TIME: 15:45:45

Input Set : A:\finalrevised\_2060.0060008.txt

Output Set: N:\CRF3\07052002\I350401A.raw

p. 6

4 <110> APPLICANT: Alessandro Sette  
 5 John Sidney  
 6 Scott Southwood  
 7 Maria A. Vitiello  
 8 Brian D. Livingston  
 9 Esteban Celis  
 10 Ralph T. Kubo  
 11 Howard M. Grey  
 12 Robert Chesnut  
 14 <120> TITLE OF INVENTION: INDUCING CELLULAR IMMUNE RESPONSES TO  
 15 HEPATITIS B VIRUS USING PEPTIDE AND NUCLEIC ACID  
 16 COMPOSITIONS  
 18 <130> FILE REFERENCE: 2060.0060008  
 20 <140> CURRENT APPLICATION NUMBER: US 09/350,401A  
 21 <141> CURRENT FILING DATE: 1999-07-08  
 23 <150> PRIOR APPLICATION NUMBER: US 08/820,360  
 24 <151> PRIOR FILING DATE: 1997-03-12  
 26 <150> PRIOR APPLICATION NUMBER: US 60/013,363  
 27 <151> PRIOR FILING DATE: 1996-03-13  
 29 <150> PRIOR APPLICATION NUMBER: US 09/189,702  
 30 <151> PRIOR FILING DATE: 1998-11-10  
 32 <150> PRIOR APPLICATION NUMBER: US 08/205,713  
 33 <151> PRIOR FILING DATE: 1994-03-04  
 35 <150> PRIOR APPLICATION NUMBER: US 08/159,184  
 36 <151> PRIOR FILING DATE: 1993-11-29  
 38 <150> PRIOR APPLICATION NUMBER: US 08/073,205  
 39 <151> PRIOR FILING DATE: 1993-07-04  
 41 <160> NUMBER OF SEQ ID NOS: 3877  
 43 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 45 <210> SEQ ID NO: 1  
 46 <211> LENGTH: 10  
 47 <212> TYPE: PRT  
 48 <213> ORGANISM: Artificial Sequence  
 50 <220> FEATURE:  
 51 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
 53 <400> SEQUENCE: 1  
 54 Ala Ile Cys Ser Val Val Arg Arg Ala Phe  
 55 1 5 10  
 58 <210> SEQ ID NO: 2  
 59 <211> LENGTH: 9  
 60 <212> TYPE: PRT  
 61 <213> ORGANISM: Artificial Sequence  
 63 <220> FEATURE:

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64 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
66 <400> SEQUENCE: 2  
67 Ala Leu Arg Gln Ala Ile Leu Cys Trp  
68 1 5  
71 <210> SEQ ID NO: 3  
72 <211> LENGTH: 9  
73 <212> TYPE: PRT  
74 <213> ORGANISM: Artificial Sequence  
76 <220> FEATURE:  
77 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
79 <400> SEQUENCE: 3  
80 Ala Met Gln Trp Asn Ser Thr Thr Phe  
81 1 5  
84 <210> SEQ ID NO: 4  
85 <211> LENGTH: 8  
86 <212> TYPE: PRT  
87 <213> ORGANISM: Artificial Sequence  
89 <220> FEATURE:  
90 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
92 <400> SEQUENCE: 4  
93 Ala Ser Phe Cys Gly Ser Pro Tyr  
94 1 5  
97 <210> SEQ ID NO: 5  
98 <211> LENGTH: 10  
99 <212> TYPE: PRT  
100 <213> ORGANISM: Artificial Sequence  
102 <220> FEATURE:  
103 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
105 <400> SEQUENCE: 5  
106 Ala Ser Phe Cys Gly Ser Pro Tyr Ser Trp  
107 1 5 10  
110 <210> SEQ ID NO: 6  
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112 <212> TYPE: PRT  
113 <213> ORGANISM: Artificial Sequence  
115 <220> FEATURE:  
116 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
118 <400> SEQUENCE: 6  
119 Ala Ser Lys Leu Cys Leu Gly Trp  
120 1 5  
123 <210> SEQ ID NO: 7  
124 <211> LENGTH: 10  
125 <212> TYPE: PRT  
126 <213> ORGANISM: Artificial Sequence  
128 <220> FEATURE:  
129 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
131 <400> SEQUENCE: 7  
132 Ala Ser Lys Leu Cys Leu Gly Trp Leu Trp  
133 1 5 10

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Input Set : A:\finalrevised\_2060.0060008.txt

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145 Ala Ser Pro Leu His Val Ala Trp  
146 1 5  
149 <210> SEQ ID NO: 9  
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151 <212> TYPE: PRT  
152 <213> ORGANISM: Artificial Sequence  
154 <220> FEATURE:  
155 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
157 <400> SEQUENCE: 9  
158 Cys Ile Pro Ile Pro Ser Ser Trp  
159 1 5  
162 <210> SEQ ID NO: 10  
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164 <212> TYPE: PRT  
165 <213> ORGANISM: Artificial Sequence  
167 <220> FEATURE:  
168 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
170 <400> SEQUENCE: 10  
171 Cys Ile Pro Ile Pro Ser Ser Trp Ala Phe  
172 1 5 10  
175 <210> SEQ ID NO: 11  
176 <211> LENGTH: 11  
177 <212> TYPE: PRT  
178 <213> ORGANISM: Artificial Sequence  
180 <220> FEATURE:  
181 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
183 <400> SEQUENCE: 11  
184 Cys Leu Ile Phe Leu Leu Val Leu Leu Asp Tyr  
185 1 5 10  
188 <210> SEQ ID NO: 12  
189 <211> LENGTH: 8  
190 <212> TYPE: PRT  
191 <213> ORGANISM: Artificial Sequence  
193 <220> FEATURE:  
194 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
196 <400> SEQUENCE: 12  
197 Cys Leu Arg Arg Phe Ile Ile Phe  
198 1 5  
201 <210> SEQ ID NO: 13  
202 <211> LENGTH: 10  
203 <212> TYPE: PRT  
204 <213> ORGANISM: Artificial Sequence

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Input Set : A:\finalrevised\_2060.0060008.txt

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206 <220> FEATURE:  
207 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
209 <400> SEQUENCE: 13  
210 Cys Leu Arg Arg Phe Ile Ile Phe Leu Phe  
211 1 5 10  
214 <210> SEQ ID NO: 14  
215 <211> LENGTH: 8  
216 <212> TYPE: PRT  
217 <213> ORGANISM: Artificial Sequence  
219 <220> FEATURE:  
220 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
222 <400> SEQUENCE: 14  
223 Cys Ser Val Val Arg Arg Ala Phe  
224 1 5  
227 <210> SEQ ID NO: 15  
228 <211> LENGTH: 10  
229 <212> TYPE: PRT  
230 <213> ORGANISM: Artificial Sequence  
232 <220> FEATURE:  
233 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
235 <400> SEQUENCE: 15  
236 Cys Thr Cys Ile Pro Ile Pro Ser Ser Trp  
237 1 5 10  
240 <210> SEQ ID NO: 16  
241 <211> LENGTH: 8  
242 <212> TYPE: PRT  
243 <213> ORGANISM: Artificial Sequence  
245 <220> FEATURE:  
246 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
248 <400> SEQUENCE: 16  
249 Asp Ile Asp Pro Tyr Lys Glu Phe  
250 1 5  
253 <210> SEQ ID NO: 17  
254 <211> LENGTH: 10  
255 <212> TYPE: PRT  
256 <213> ORGANISM: Artificial Sequence  
258 <220> FEATURE:  
259 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
261 <400> SEQUENCE: 17  
262 Asp Leu Leu Asp Thr Ala Ser Ala Leu Tyr  
263 1 5 10  
266 <210> SEQ ID NO: 18  
267 <211> LENGTH: 9  
268 <212> TYPE: PRT  
269 <213> ORGANISM: Artificial Sequence  
271 <220> FEATURE:  
272 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
274 <400> SEQUENCE: 18  
275 Asp Ser Trp Trp Thr Ser Leu Asn Phe

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DATE: 07/05/2002

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TIME: 15:45:45

Input Set : A:\finalrevised\_2060.0060008.txt

Output Set: N:\CRF3\07052002\I350401A.raw

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281 <212> TYPE: PRT  
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287 <400> SEQUENCE: 19  
288 Glu Leu Leu Ser Phe Leu Pro Ser Asp Phe  
289 1 5 10  
292 <210> SEQ ID NO: 20  
293 <211> LENGTH: 11  
294 <212> TYPE: PRT  
295 <213> ORGANISM: Artificial Sequence  
297 <220> FEATURE:  
298 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
300 <400> SEQUENCE: 20  
301 Glu Leu Leu Ser Phe Leu Pro Ser Asp Phe Phe  
302 1 5 10  
305 <210> SEQ ID NO: 21  
306 <211> LENGTH: 8  
307 <212> TYPE: PRT  
308 <213> ORGANISM: Artificial Sequence  
310 <220> FEATURE:  
311 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
313 <400> SEQUENCE: 21  
314 Glu Ser Arg Leu Val Val Asp Phe  
315 1 5  
318 <210> SEQ ID NO: 22  
319 <211> LENGTH: 11  
320 <212> TYPE: PRT  
321 <213> ORGANISM: Artificial Sequence  
323 <220> FEATURE:  
324 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
326 <400> SEQUENCE: 22  
327 Glu Ser Arg Leu Val Val Asp Phe Ser Gln Phe  
328 1 5 10  
331 <210> SEQ ID NO: 23  
332 <211> LENGTH: 9  
333 <212> TYPE: PRT  
334 <213> ORGANISM: Artificial Sequence  
336 <220> FEATURE:  
337 <223> OTHER INFORMATION: Artificially Synthesized Peptide  
339 <400> SEQUENCE: 23  
340 Phe Ile Leu Leu Leu Cys Leu Ile Phe  
341 1 5  
344 <210> SEQ ID NO: 24  
345 <211> LENGTH: 11  
346 <212> TYPE: PRT

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 07/05/2002  
PATENT APPLICATION: US/09/350,401A      TIME: 15:45:46

Input Set : A:\finalrevised\_2060.0060008.txt  
Output Set: N:\CRF3\07052002\I350401A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3274; Xaa Pos. 4  
Seq#:3275; Xaa Pos. 4  
Seq#:3314; Xaa Pos. 5  
Seq#:3315; Xaa Pos. 4  
Seq#:3316; Xaa Pos. 3  
Seq#:3317; Xaa Pos. 8  
Seq#:3318; Xaa Pos. 8  
Seq#:3319; Xaa Pos. 3  
Seq#:3320; Xaa Pos. 4  
Seq#:3321; Xaa Pos. 6  
Seq#:3322; Xaa Pos. 6  
Seq#:3323; Xaa Pos. 5  
Seq#:3324; Xaa Pos. 4  
Seq#:3325; Xaa Pos. 7  
Seq#:3326; Xaa Pos. 9  
Seq#:3327; Xaa Pos. 4  
Seq#:3328; Xaa Pos. 5  
Seq#:3329; Xaa Pos. 6  
Seq#:3330; Xaa Pos. 3  
Seq#:3331; Xaa Pos. 4  
Seq#:3381; Xaa Pos. 5  
Seq#:3382; Xaa Pos. 6  
Seq#:3416; Xaa Pos. 10  
Seq#:3417; Xaa Pos. 10  
Seq#:3418; Xaa Pos. 17  
Seq#:3419; Xaa Pos. 16  
Seq#:3420; Xaa Pos. 15  
Seq#:3421; Xaa Pos. 14  
Seq#:3422; Xaa Pos. 13  
Seq#:3423; Xaa Pos. 12  
Seq#:3424; Xaa Pos. 11  
Seq#:3425; Xaa Pos. 10  
Seq#:3426; Xaa Pos. 9  
Seq#:3427; Xaa Pos. 8  
Seq#:3428; Xaa Pos. 9  
Seq#:3429; Xaa Pos. 8  
Seq#:3430; Xaa Pos. 7  
Seq#:3431; Xaa Pos. 10  
Seq#:3432; Xaa Pos. 10  
Seq#:3433; Xaa Pos. 11  
Seq#:3877; Xaa Pos. 3